

27	Tension bracket
28	Running surface
29	Leg of 25
30	Girder
31	Driving wheel
32	Motor
33	Gear assembly
34	First deflection roller
35	Second deflection roller
36	Third deflection roller
37	Fourth deflection roller
38	Fifth deflection roller
39	Hood
40	Driving gear part
41	Housing
42	Protective housing
43	Passage
44	Slot
45	Projection
46	Sealing lip
47	Electric cable
48	Safety catch
49	Wire cable
50	Deflection roller
51	Tension weight
52	Outside door
53	Balcony

Claims

1. Elevator with a cable-driven car (1), to which vertical guide rails (12) are allocated, characterized in that the cables (14) are arranged on both sides of the car (1), each in a housing (41), and are acted upon by a common driving wheel (31).

2. Elevator according to Claim 1, characterized in that the cables (14) are coupled on each side of the car (1), first to the car (1) and second to a counterweight (15).

3. Elevator according to Claim 2, characterized in that the counterweight (15) and the car (1) are located on opposite sides of a vertical carrier (18) holding the guide rails (12).

4. Elevator according to Claim 3, characterized in that each vertical carrier (18) is formed as a double-T carrier and arranged in the housing (41).

5. Elevator according to Claim 3 or 4, characterized in that the vertical carriers (18) are provided on their upper ends with a girder (30) for supporting the driving wheel (31) and also several deflection rollers (34, 35, 36, 37, 38) for the cables (14), with the girder (30) extending like a bridge between the two vertical carriers (18).

6. Elevator according to Claim 5, characterized in that a motor (32) driving the driving wheel (31) under intermediate connection of a driving gear (33) for the driving wheel is mounted on the girder (30).

7. Elevator according to Claim 5 or 6, characterized in that the girder (30) carries control electronics.

8. Elevator according to one of Claims 3 to 7, characterized in that the vertical carriers (18) are fixed with the end opposite the girder (30) in a shaft pit.

9. Elevator according to one of Claims 3 to 8, characterized in that the vertical carriers (18) are connected to each other by means of several crossbars at a distance to each other.

10. Elevator according to one of Claims 3 to 9, characterized in that the connecting piece (17) of each vertical carrier (18) is aligned parallel to the car (1) and carries the guide rails (12) on the side facing the car (1).

11. Elevator according to one of Claims 3 to 10, characterized in that the flanges (24) feature guide means (22) on the side of the vertical carrier (18) opposite the guide rail (12), in order to support the counterweight (15) in the corresponding U-shaped recess (23) of the vertical carrier (18).

12. Elevator according to Claim 11, characterized in that the guide means (22) are formed as angular profiles (25), which are fixed opposite the flanges (24) and on which guide rollers (26) fixed to the counterweight (15) are supported.

13. Elevator according to one of Claims 1 to 10, characterized in that the guide rail (12) with a T-shaped cross section is fixed to the connecting piece (17) of the vertical carrier (18) under intermediate arrangement of a holder profile (16), such that its foot (19) runs parallel to the connecting piece (17) of the vertical carrier (18) and its connecting piece (21) guided between the car-side rollers (13) points in the direction of the car (1).

14. Elevator according to Claim 13, characterized in that the rollers (13) are supported on a U-profile (11), which is connected via an angular profile (9) to a frame (4) of the car (1).

15. Elevator according to Claim 14, characterized in that the frame (4) is assembled from profiles (3) with U-shaped cross sections, with the profiles (3) extending over the height of the car (1) pointing with their legs (6) in the direction of the associated vertical carrier (18) and with

one leg (6) of the profile (3) being connected to one leg (8) of the angular profile (9), whose other leg (10) holds the U-profile (11).

16. Elevator according to one of Claims 1 to 15, characterized in that a protective housing (42), which extends over the height of the car and which covers the corresponding profiles (3) of the frame (4) and which features a passage (43) for the legs (8) of the angular profile (9) that is allocated to the corresponding profile (3) and that passes through a slot (44) of the housing (41) that holds the associated vertical carrier (18), is arranged on both sides of the car (1).

17. Elevator according to Claim 16, characterized in that the passage (43) is formed between two projections (45) of the protective housing (42), which pass through the slot (44) of the housing (41).

18. Elevator according to Claim 17, characterized in that the housing (41) carries sealing lips (46), which are aligned in a V-shape relative to each other and which contact the projections (45) of the protective housing (42), on both sides of the slot (44).

19. Elevator according to one of Claims 1 to 18, characterized in that within the corresponding housing (41) of one guide rail (12) there are electric cables (47) and within the other guide rail (12) there is a trigger device for a safety catch (48).

20. Elevator according to Claim 19, characterized in that the electric cables (47) project through the slot (44) of the housing (41) and the passage (43) of the protective housing (42) into the interior of the car (1).

21. Elevator according to one of Claims 1 to 20, characterized in that the driving wheel (31) and the deflection rollers (34, 35, 36, 37, 38) are covered by a hood (39).

22. Elevator according to one of Claims 1 to 21, characterized in that a wire cable (49) is fixed, first, to the corresponding counterweight (15) and, second, to the car (1) on both sides of the car (1), with the wire cable (49) running underneath the associated vertical carrier (18) and holding a deflection roller (50) with a tension weight (51).

23. Elevator according to one of Claims 1-24, characterized in that the car (1) and/or the area covered by the hood (39) are connected to a heating and/or cooling system for climate control.

24. Elevator according to one of Claims 1-23, characterized in that a balcony (53) is arranged between an outside door (52) of the elevator and a building in the area of the floor of each story.

25. Elevator according to Claim 24, characterized in that several balconies are connected to one another by means of a skeleton.

26. Elevator according to Claim 25, characterized in that the skeleton is free-standing or fastened to the building and/or the vertical carriers (18).